



Software Engineering Team (SET)

ISC Meeting

November 19-20, 2003



RPMS Patches

Software Quality Assurance (QA)

- Consist of software review, test, certification and distribution.
- RPMS application patch software submitted for review.
- Review findings back to developer.
- Patch tested at production site/s. 1 to 2 weeks patch testing.
- Patch entered on IHS Patch Module, and Completed by another developer.
- Patch Verified (SQA) on IHS Patch Module, notices sent to all selected individuals.
- Patch files sent to all Area Office Systems.
- Patch Release notice posted on the email includes changes and names of patch test sites.
- Patch files available on cmbasyb and website:
`/usr/spool/uucppublic/PATCHES` directory
www.ihs.gov/Cio/RPMS/appselect.cfm
- ABM, AUM, ACD, ACR, APCL, BAR, BCH, BW, GIS, LR, PSO

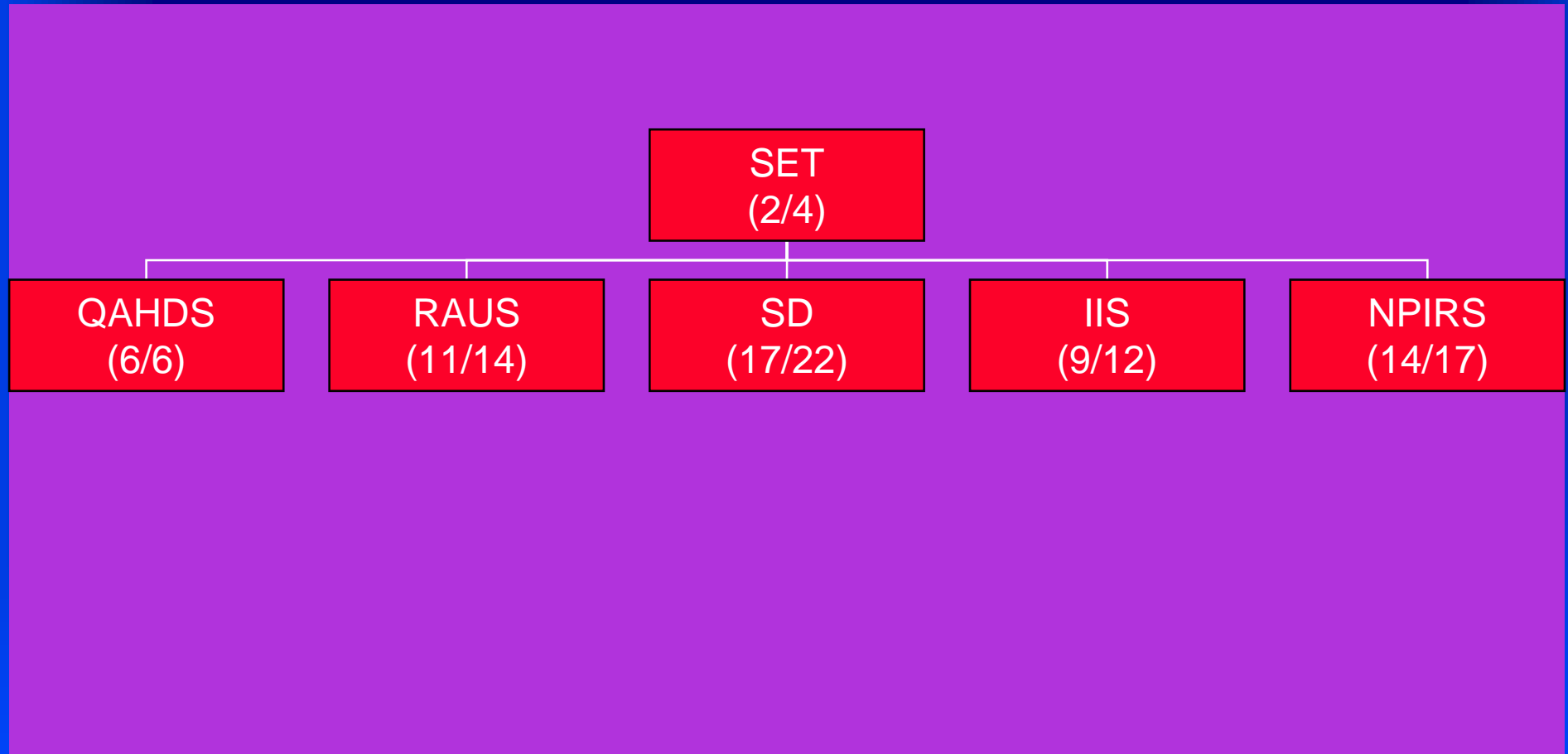


Data Transport

- **File Transmittals: consolidate all exports under BXP and if planned a timeline**



SET Staffing Levels (Current/Max)





■ SET

- QAHDS (Qual Assurance, HelpDesk)
- RAUS (Req Analysis, User Support)
- SD (Software Development [RPMS])
- IIS (Internet Information Services)
- NPIRS (Nat'l Pat Info Reporting System)



QAHDS – Quality Assurance (2/2), Help Desk Support (4/4)

- Staff – Supervised by SET Lead
- QA – Review and certify RPMS aps
 - Need similar for NPIRS, IIS
- HD – for all of ITSC, not just SET
 - e-mail reminders from ServiceCenter as of 11/17
 - DataCom Task Order drafted
 - (More on HD Thu 1PM)



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RAUS – Requirements Analysis, User Support (11/14)

- Staff – Supervised by SET Lead
- Discern, define, document, requirements for RPMS applications
 - Focus on product, not process
 - Ad hoc.... Rational Rose preferred
- Functional experts/super-users
- Typically also do training



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SD – Software Development (RPMS) (17/22)

- **Supervisor – Ray Willie**
- **Functional teams**
 - **Some team leaders in Bus Process group**
- **External contracts to CMI, CIA, FC, ILC**
- **Virtual machines (VMs)**
- **Standard MUMPS**
- **GT.M (?); WorldVistA (?)**
- **BUD, BEX, VEN, BME, CVD, HIV, HIPAA**



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IIS – Internet Information Services (WebTeam) (9/12)

- **Supervisor – Vacant (Selected)**
- **“webteam”**
 - **Weekly Webteam telecon**
 - **Functional inclusion of HQ web programmers**
- **-Have- Programming Standards and Guidelines**
- **High level of visibility; staff interaction**
- **Section 508**



IIS Projects & Issues

■ Projects

- Executive Information Support System
- Multi-Program Online Recruiting Enterprise
- IHS Web Infrastructure
- 508 Department of Justice Survey
- Jobs Vacancy Redesign
- Internet Redesign



Executive Information Support System (EISS)

■ Current Reports

- Travel
- Training
- WebFRS (CORE)
- Drug Pharmacy Costs (in development)
- RPMS Account Receivable (in development)
- GPRA+ (in development)
- IHS Facilities (in development)



Multi-program Online Recruiting System (MORE)

- **Modular, reusable code to support all IHS recruiting**
- **Rapid development entrenched in web infrastructure**
- **Administrative backend with full user control of entire site**



IHS Web Infrastructure

- Provides common environment for:
 - HTML, ASP, CFM, JSP, PHP
 - Include common login, user profile, security, error handling, site variables, and programming components
- IHS Web Services (requires development)
 - New/update web site requests, database/ access requests, datasource requests, list serv requests, forum requests



IHS Web Infrastructure Issues

■ Web Infrastructure Redesign

- Originally written in 1998
- New enhanced security system added July 2003
- Improvements necessary to address new hacking techniques, 508 violations, password handling, improved error handling and other short comings
- Requirements for design include login, user profile, forgot password interfaces and policies for usernames, passwords, and user tracking



508 Department Of Justice Survey Issues

- Survey every 2 years
 - Next in spring 2004
- Encompasses in-house software including RPMS, NPIRS, and Web
- Encompasses commercial s/w and h/w purchases after June 2001
- Lack of tools and resources to determine extent of violations



Jobs Vacancy Database Redesign Issues

■ Jobs Vacancy Database Redesign

- Requirements collection begun Fall of 2002
- Restructure for:
 - web infrastructure
 - security structure
 - error handling



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NPIRS – National Patient Information Reporting System (14/17)

- Supervisor – Vacant (Panel Selected)
- National database
- Workload Reporting
- User Pop reporting
- Ad hoc reports
 - Areas
 - External orgs
- Some personnel common with DW project

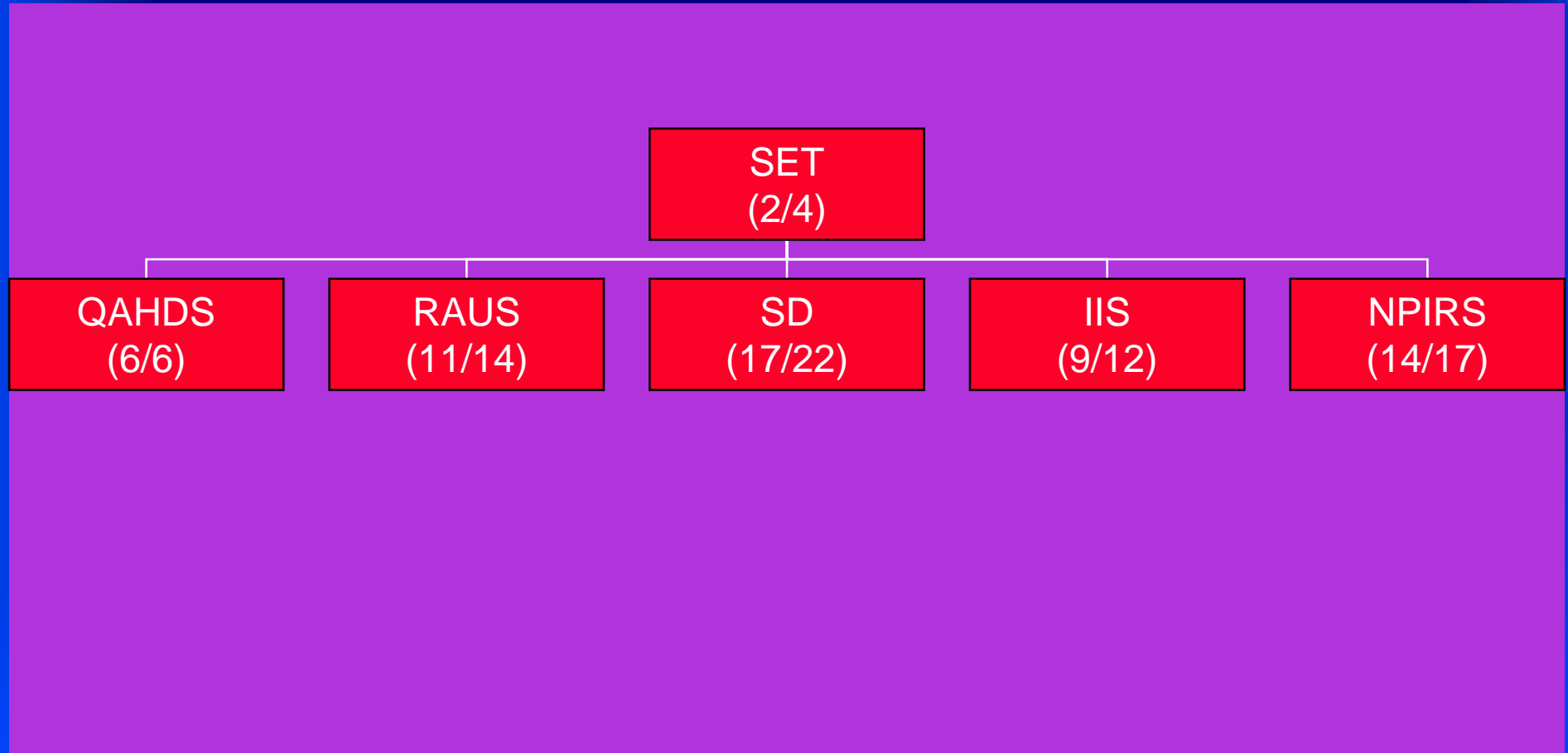


NPIRS - Priorities

- **Data Warehouse development**
- **Workload Verification**
 - Nov 28, 2003 data deadline to NPIRS
 - Dec 10, 2003 Final workload reports
- **Contract Health Services Verification Workgroup support**
 - Initial analysis of FI and CHS638 export data
 - Understanding CHS data
- **User Population reports due Jan 2, 2004 for area verification**



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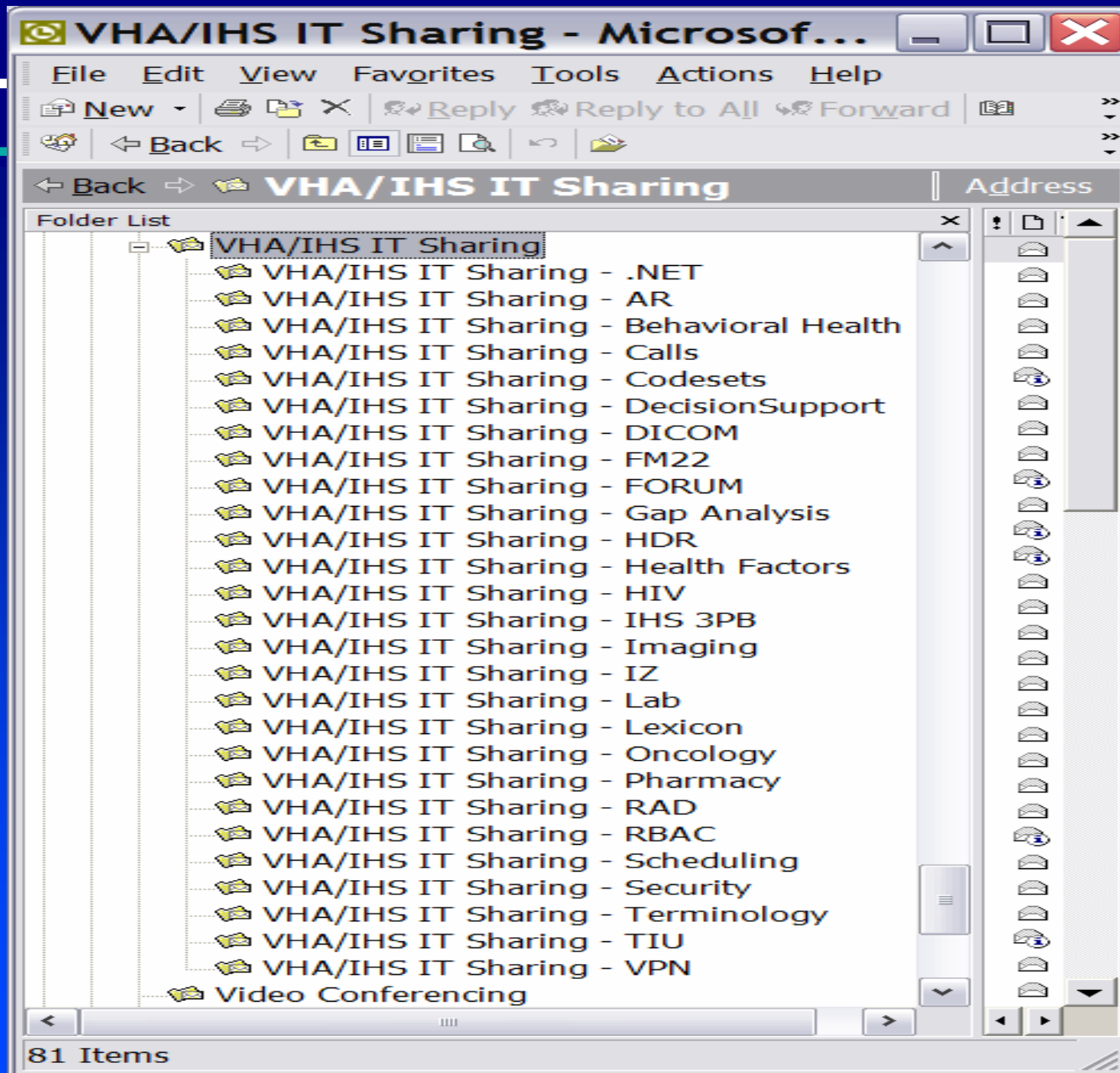


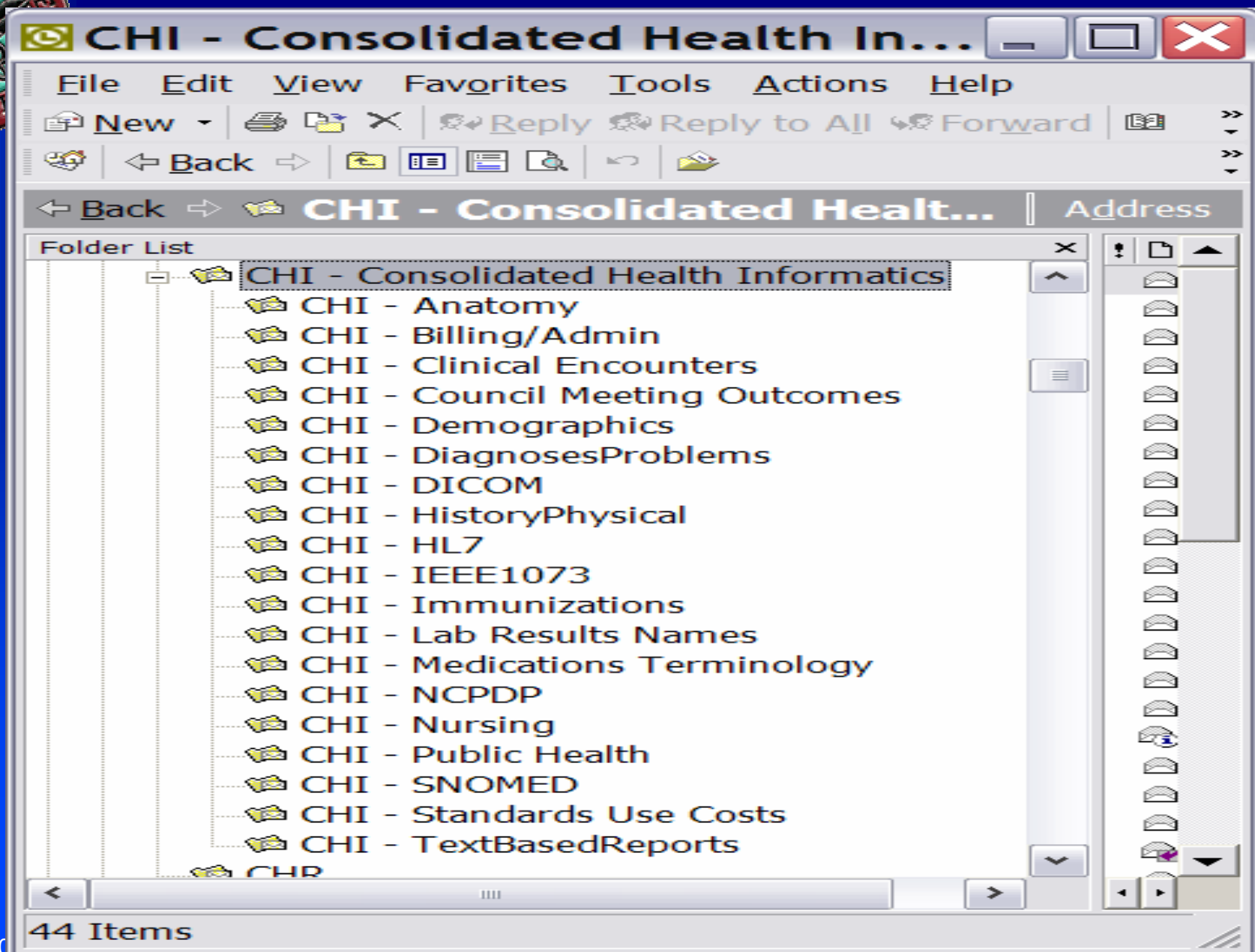
Etc.

- VHA/IHS IT Sharing
- CHI
- EA
- Training
- IE



VH







Enterprise Architecture

- **FY03 is most current approved**
- **HHS EA Program Team (EAPT)**
 - **Focused on HHS EA; FEA**
- **Use EAMS for artifact management**
- **Contract support:**
 - **MITRE (Pgm mgt; Plans; Facilitation; Admin; V & V; Req. setting)**
 - **STG (Data & Info gathering; Artifact mgt; Technical support)**

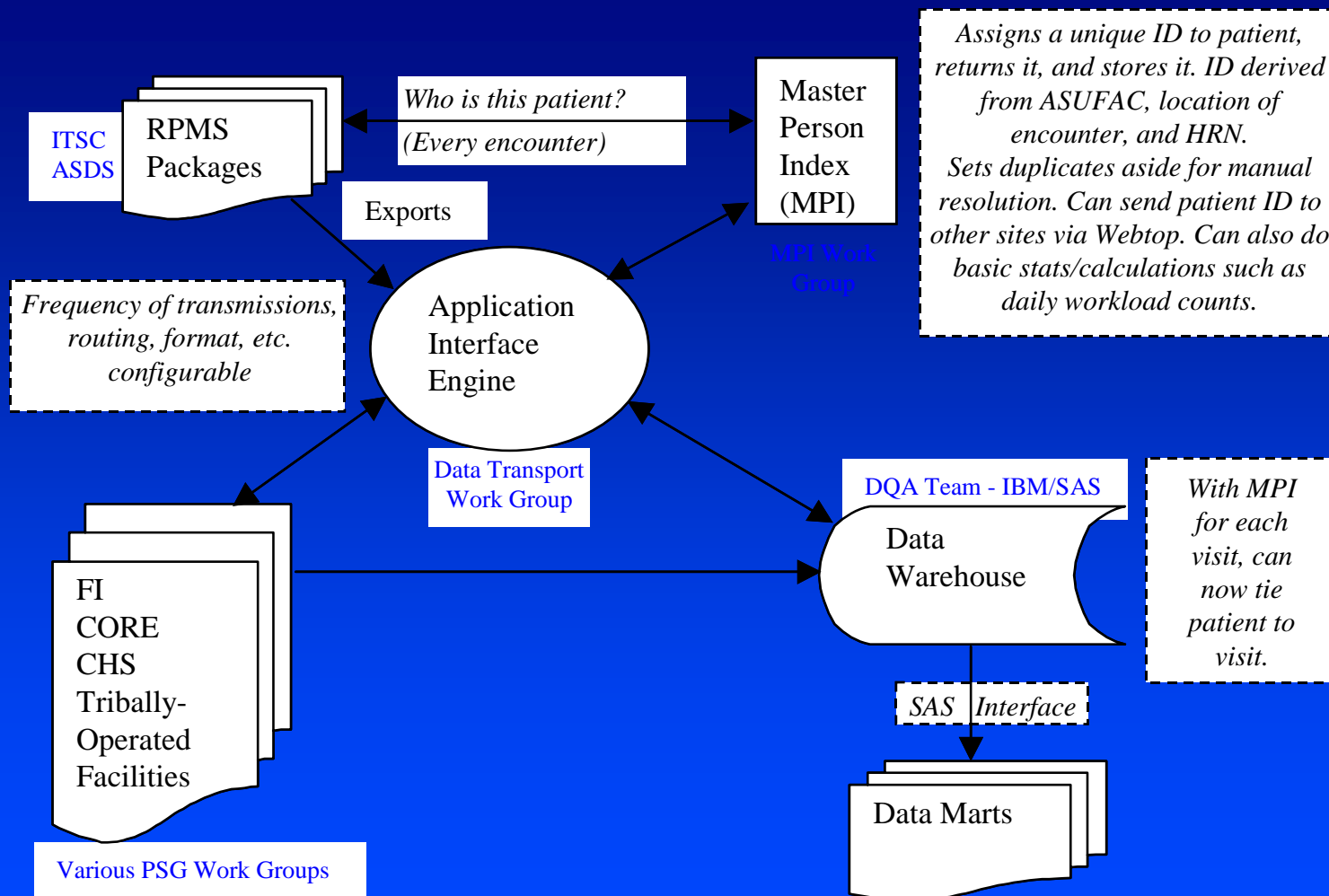


Training

- No staff, branch, or group
- Reoriented training room
- New laptops
- Wireless in progress
- Good interface with Areas



Integration Engine (Cloverleaf / Quovadax)





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